

WHAT TO EXPECT

CUMBERLAND AVENUE STREETScape CONSTRUCTION

The images below describe the seven-step process of constructing the new sidewalk area, which is a major component of the Cumberland Avenue Streetscape project. Maintaining safe customer access to the more than 50 merchants along this corridor is a top priority, in addition to the safety of the construction workers and other visitors to the area. This visual aid is intended to help provide information as to the intense nature of the work being performed along the area and to give a better understanding to the time it will take to complete this portion of the project. If you have questions or concerns, please call 865.546.5800 or email us at info@cumberlandconnect.com



STEP ONE: EXCAVATION FOR DUCT BANKS
This first step involves the removal of the old sidewalk and excavation for the installation of duct banks. Duct banks are groups of conduits designed to protect and consolidate cabling to and from buildings. In a duct bank, data and electrical cables are laid out within PVC conduits that are bundled together; concrete and metal casings protect these groupings of conduit. The duct banks will hold wiring for new street lighting and special event electrical boxes installed by KUB. Once the duct banks are placed, concrete is poured in the excavated area, holding the duct bank in place and providing protection from work to be performed in the next steps of the process. After the concrete has set, fill material is added on top so that step two can begin.

COMPLETION TIME FOR STEP ONE: APPROXIMATELY 1 WEEK



STEP TWO: EXCAVATION FOR TREE WELL AND SILVA CELL
The next step involves excavation of the tree well and Silva Cell pit. The Silva Cell is a modular building block for containing specified amounts of healthy soil beneath paving while supporting traffic loads and accommodating surrounding utilities. The Silva Cell is filled with high-quality, uncompacted soil to grow trees and manage the rate, quality and volume of stormwater.

COMPLETION TIME FOR STEPS TWO THROUGH SIX: APPROXIMATELY 3 WEEKS



STEP THREE: SAND BEDS CREATED
A sand bed is created within the tree well and Silva Cell pit to help provide drainage and support to the Silva Cell, soil and plantings.



STEP FOUR: SILVA CELL INSTALLATION
After sand bed is completed, the Silva Cell is added. The photo on the left shows the bottom component of a Silva Cell in front of Cookout at the corner of 22nd Street. The photo on the right shows another Silva Cell near the eastern corner of the Cookout property.



STEP FIVE: AMENDED SOIL
Amended soil is placed in the Silva Cells, which provides adequate rootable soil volume crucial to growing healthy trees.



STEP SIX: ROOT BARRIER FABRIC
Once the amended soil and the Silva Cell top are placed, root barrier fabric is placed around the pit to help guide the growth of the future tree roots. This helps to make sure roots stay underground rather than growing upward.



STEP SEVEN: CURB, GUTTER AND SIDEWALK
After the root barrier fabric is in place, fill material is added for leveling so that the concrete, curb and gutter can be poured. The photo on the left shows the construction of the forms that have to be made before concrete can be poured. The photo on the right was taken on April 20 in front of Cookout and shows the new sidewalk and tree wells.

COMPLETION TIME FOR STEP SEVEN: APPROXIMATELY 4 WEEKS



EACH NORTH AND SOUTH BLOCK ON CUMBERLAND AVENUE WILL EXPERIENCE THIS EIGHT STEP SIDEWALK RECONSTRUCTION PROCESS.

N2200 New Development	S2200 Pilot • Sunspot
N2100 Cookout • Insomnia Cookies • Oscar's Tacos • Mellow Mushroom	S2100 Subway • Domino's • Hookah Hookup • Hype • Jason's Deli
N2000 Starbucks • Shell	S2000 Evolve Apartments • Zaxby's
N1900 Stefanos • Studio X • University Liquors • The Knox • House of Dragon • Jimmy Johns	S1900 Taco Bell • Uptown Bar & Grill • Cell Phone Repair • Panera Bread
N1800 Regions • Half Barrel • Niro's Gyros • The Standard • Hibachi Grill • Copper Cellar	S1800 Moe's • Wendy's • GPT Annex • Goal Post Tavern • 1st Tennessee • Hannah's • Oscars • Long Branch
N1700 Walgreens • Aladdins Grill • Varsity Barber Shop • FedEx Office • Brenz Pizza • Chipotle Mexican Grill	S1700 Noodles • Firehouse • BurgerFi • Hilton Garden Inn • Krystal • McDonald's

COMPLETION TIME STEPS ONE THROUGH SEVEN: APPROXIMATELY 8 WEEKS



NOTE: COMPLETION TIME CAN BE IMPACTED BY WEATHER AND UNFORESEEN CONFLICTS